AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

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Listing of Claims:

- Claim 1. (Currently amended) A fusible print medium, comprising: a photobase layer;
 - a vehicle sink layer; and

a colorant-receiving layer comprising core-shell polymer particles having a hydrophilic shell and a fusible hydrophobic core, wherein the colorant-receiving layer is configured to have a phase inversion that encapsulates a colorant in the colorant-receiving layer, and wherein the hydrophilic shell comprises a latex vinyl polymer, and wherein cationic mordant is fused or grafted to a surface of the hydrophilic shell to provide mordant properties to the colorant-receiving layer, the cationic mordant being selected from the group consisting of a polyamine, a polyethyleneimine, a polyamidoamine, a quaternary amine polymer and derivatives thereof.

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- Claim 2. (Original) The fusible print medium of claim 1, wherein the colorant-receiving layer is configured to invert from a porous, hydrophilic surface to a continuous layer having a hydrophobic surface.
- Claim 3. (Original) The fusible print medium of claim 2, wherein the colorant-receiving layer is configured to invert from a porous, hydrophilic surface to a continuous layer having a hydrophobic surface upon exposure to heat, pressure, or combinations thereof.
- Original) The fusible print medium of claim 2, wherein the colorant-receiving layer is configured to invert from a porous, hydrophilic surface to a continuous layer having a hydrophobic surface upon exposure to a temperature greater than a glass transition temperature of the fusible hydrophobic

core.

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- Claim 5. (Original) The fusible print medium of claim 1, wherein the colorant is encapsulated in hydrophilic domains in the colorant-receiving layer by the phase inversion.
- Claim 6. (Previously presented) The fusible print medium of claim 1, wherein the fusible hydrophobic core is selected from the group consisting of a copolymer of acrylate and methacrylate, a styrene-acrylic polymer, a vinyl acetate-acrylic, a vinyl acetate-ethylene, and a copolymer of acrylonitrile.

Claim 7. (Canceled)

- Claim 8. (Original) The fusible print medium of claim 1, further comprising a topcoat layer.
 - Claim 9. (Currently amended) A method of printing a photographic quality image, comprising:

providing a fusible print medium comprising a photobase layer, a vehicle sink layer, and a colorant-receiving layer, the colorant-receiving layer having a porous, hydrophilic surface and comprising core-shell polymer particles having a hydrophilic shell and a fusible hydrophobic core, wherein the hydrophilic shell comprises a latex vinyl polymer, and wherein cationic mordant is fused or grafted to a surface of the hydrophilic shell to provide mordant properties to the colorant-receiving layer, the cationic mordant being selected from the group consisting of a polyamine, a polyethyleneimine, a polyamidoamine, a quaternary amine polymer and derivatives thereof;

depositing inkjet ink onto the fusible print medium to print a desired image; and

fusing the colorant-receiving layer into a continuous, hydrophobic film.

Claim 10. (Original) The method of claim 9, wherein fusing the colorantreceiving layer into a continuous, hydrophobic film comprises exposing the 10

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fusible print medium to heat, pressure, or combinations thereof.

- Claim 11. (Original) The method of claim 10, wherein exposing the fusible print medium to heat, pressure, or combinations thereof comprises exposing the fusible print medium to a temperature greater than a glass transition temperature of the fusible hydrophobic core.
- Claim 12. (Original) The method of claim 9, wherein exposing the fusible print medium to heat, pressure, or combinations thereof comprises exposing the fusible print medium to a heat source selected from the group consisting of a drying oven, an infrared oven, a heat lamp, an infrared lamp, a hot press, a laminator, and an iron.
- Claim 13. (Original) The method of claim 9, wherein fusing the colorant-receiving layer into a continuous, hydrophobic film comprises encapsulating a colorant from the inkjet ink in hydrophilic domains in the colorant-receiving layer.
- Claim 14. (Original) The method of claim 9, wherein fusing the colorantreceiving layer into a continuous, hydrophobic film comprises contacting the fusible hydrophobic core with a coalescing agent.
 - Claim 15. (Original) The method of claim 14, wherein contacting the fusible hydrophobic core with a coalescing agent comprises incorporating the coalescing agent into the inkjet ink.
 - Claim 16. (Original) The method of claim 14, wherein contacting the fusible hydrophobic core with a coalescing agent comprises contacting the fusible hydrophobic core with a coalescing agent selected from the group consisting of 2,2,4-trimethyl-1,3-pentanediol monoisobutyrate, ethylene glycol monobutyl ether, diethylene glycol monomethyl ether, propylene glycol monomethyl ether, and dipropylene glycol monomethyl ether.

Claim 17. (Previously presented) A method of producing a fusible print medium, comprising:

forming a vehicle sink layer on a photobase layer; and forming a colorant-receiving layer on the vehicle sink layer, the colorant-receiving layer comprising core-shell polymer particles having a hydrophilic shell and a fusible hydrophobic core, wherein the colorant-receiving layer is configured to invert from a porous, hydrophilic surface to a continuous layer having a hydrophobic surface, and wherein the hydrophilic shell comprises a latex vinyl polymer, and wherein cationic mordant is fused or grafted to a surface of the hydrophilic shell to provide mordant properties to the colorant-receiving layer, the cationic mordant being selected from the group consisting of a polyamine, a polyethyleneimine, a polyamidoamine, a quaternary amine polymer and derivatives thereof.

- 15 Claim 18. (Previously presented) The method of claim 17, wherein forming a colorant-receiving layer comprising core-shell polymer particles comprises forming the colorant-receiving layer from the latex vinyl polymer and a fusible hydrophobic core that is selected from the group consisting of a copolymer of acrylate and methacrylate, a styrene-acrylic polymer, a vinyl acetate-acrylic, a vinyl acetate-ethylene, and a copolymer of acrylonitrile.
 - Claim 19. (Original) The method of claim 17, further comprising forming a topcoat layer on the colorant-receiving layer.

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